

## Abstract

With a method for producing ground surfaces by means of a construction machine, in particular a hydraulic excavator comprising excavator equipment consisting of a single component or more components including a shovel applicable to the ground surface and a lifting cylinder for lifting and lowering the excavator equipment, whereby the lifting cylinder of the excavator equipment is actively connected with at least one work pump via a control device actuated by the operator, and whereby the lifting cylinder is lifted, lowered or blocked depending on the position to which the control device is switched, the aim is to provide a solution by which ground surfaces can be produced as level as possible in a simpler and faster way.

This is achieved in that for compensating the weight of the excavator equipment and for adjusting an approximately constant force of application of the shovel to the surface of the ground as the excavator equipment is moving and working, the lifting side of the lifting cylinder, following actuation of an actuating element, is automatically acted upon by an adjustable compensation pressure by supplying or evacuating a hydraulic medium.